

CLAIMS

That which is claimed is:

1. An isolated polynucleotide comprising at least 15 contiguous nucleotides of a sequence selected from the group consisting of SEQ ID NOS:1-23767 and complements thereof.
2. A vector comprising the polynucleotide of claim 1.
3. A host cell comprising the vector of claim 2.
4. An isolated polynucleotide comprising at least 15 contiguous nucleotides of any one of SEQ ID NOS:1-23767 and which hybridizes under stringent conditions to a polynucleotide of a sequence selected from the group consisting of SEQ ID NOS:1-23767 and complements thereof.
5. An isolated polynucleotide comprising at least 15 contiguous nucleotides of either strand of a nucleotide sequence of an insert contained in a vector deposited as clone number XXX-YYY of ATCC Deposit Number ZZZ.
6. An isolated polynucleotide comprising at least 15 contiguous nucleotides of any one of SEQ ID NOS:1-23767, said polynucleotide obtained by amplifying a fragment of cDNA using at least one polynucleotide primer comprising at least 15 contiguous nucleotides of a nucleotide sequence selected from the group consisting of SEQ ID NOS:1-23767 and complements thereof.
7. A method for detecting a cancerous cell, said method comprising:
detecting a level of a gene product corresponding to any one of SEQ ID NOS:1-23767 and complements thereof, and
comparing the level of gene product to a control level of said gene product;

wherein the presence of a cancerous cell is indicated by detection of said level and comparison to a control level of gene product

8. The method of claim 7, wherein said cancerous cell is a cancerous breast, colon or prostate cell.

9. The method of claim 7, wherein said gene product is nucleic acid.

10. The method of claim 7, wherein said gene product is a polypeptide.

11. The method of claim 7, wherein said detecting step uses a polymerase chain reaction.

12. The method of claim 7, wherein said detecting step uses hybridization.

13. The method of claim 7, wherein said sample is a sample of tissue suspected of having cancerous cells.

14. A method for inhibiting a cancerous phenotype of a cell, said method comprising: contacting a cancerous mammalian cell with an agent for inhibition of a gene product corresponding to any one of SEQ ID NOS:1-23767.

15. The method of claim 14, wherein said cancerous phenotype is aberrant cellular proliferation relative to a normal cell.

16. The method of claim 14, wherein said cancerous phenotype is loss of contact inhibition of cell growth.

17. The method of claims 14, wherein said agent is selected from the group consisting of a small molecule, an antibody, an antisense polynucleotide, and an RNAi molecule.

18. The method of claims 14, wherein said inhibition is associated with a reduction in a level of a gene product corresponding to any one of SEQ ID NOS:1-23767.

19. A method of treating a subject with cancer, said method comprising:
administering to a subject a pharmaceutically effective amount of an agent,
wherein said agent modulates the activity of a gene product corresponding to any one of SEQ ID NOS:1-23767.

20. The method of claim 19, wherein said agent is selected from the group consisting of a small molecule, an antibody, an antisense polynucleotide, and an RNAi molecule.

21. A method for assessing the tumor burden of a subject, said method comprising:
detecting a level of a gene product corresponding to any one of SEQ ID NOS:1-23767 in a test sample from a subject,
wherein the level of said gene product in the test sample is indicative of the tumor burden in the subject.

22. A method for identifying an agent that modulates a biological activity of a gene product differentially expressed in a cancerous cell as compared to a normal cell, said method comprising:
contacting a candidate agent with a cell; and
detecting modulation of a biological activity of a gene product corresponding to any one of SEQ ID NOS:1-23767 relative to a level of biological activity of the same gene product in the absence of the candidate agent.

23. The method of claim 22, wherein said detecting is by assessing expression of said gene product.

24. The method of claim 23, wherein expression is assessed by detecting a polynucleotide gene product.

25. The method of claim 23, wherein expression is assessed by detecting a polypeptide gene product.

26. The method of claim 22, wherein said candidate agent is selected from the group consisting of a small molecule, an antibody, an antisense polynucleotide, and an RNAi molecule.

27. The method of claim 22, wherein said biological activity is modulation of a cancerous phenotype.

28. The method of claim 27, wherein said cancerous phenotype is abnormal cellular proliferation.

29. An isolated antibody that specifically binds to a polypeptide encoding by a polynucleotide consisting of a nucleotide sequence set forth in any one of SEQ ID NOS:1-23767 and complements thereof.